Bruhat Bangalore Mahanagara Palike
Executive Engineer Yelahanka Division

Name of Work: Modified Estimate For Drilling of borewells, providing pipe line and construction of RO Plants in Attur ward no-03 of Yelahanka Satellite Town Sub Division

Sl No	Description of Items	Unit	No	Length	Width	Depth	Qty	Rate	Amount
1	Geophysical investigation of site for sinking Borewell for supplying drinking water to the habitation either through the Hand pump, MWS of P.W.S.S by vertical electrical sounding by adopting Venner or Schlumberger's method, including reconnaissance survey of geological formation, Gerophysical investigation of existing Ground Wate in the vicinity, its qualityf 1.0 meter in consolidated formation for proper seating of casing pipe, depth of drilling required to cover full depth of aquifer proposed to be tapped, probable yield and other information required including transportation of instrument and accessories to work site., engaging techinical personal and labour required etc., as per Specification and direction **(P.47, I. 9.4) PRED.SR 2019-20**								
	Quoted Rate	3956.02							
		Nos							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1				1.00		
	Doddabettahalli, Near Maramma Temple		1				1.00		
	Ambhavani Nagar, Behind Temple		1				1.00		
							3.00	3956.02	11868.06
2	Sinking borewell of 165 mm dia clear using super fast hydraulic rig of capacity 250 PSIG & above CFM & above in all strats including over burden upto 20 mts fixing of casing pipes, collars and cap with necessary cutting, throading and welding including transportation of rig and supporing vehicles, crew charges and cost of consumables etc., complete including yield testing at the final depth with a minimum working of compressor for one hour (excluding cost of casing pipes, collars, cap etc.,) **Page no. 46 / I. 9.1 PRED SR 2019-20**								
	Quoted Rate	364.31							
	0 to 50 m	mtr							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1	50.00			50.00		
	Doddabettahalli, Near Maramma Temple		1	50.00			50.00		
	Ambhavani Nagar, Behind Temple		1	50.00			50.00		
							150.00	364.31	54646.50
3	**Quoted Rate**	464.05							
	50 to 100 m	mtr							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1	50.00			50.00		
	Doddabettahalli, Near Maramma Temple		1	50.00			50.00		
	Ambhavani Nagar, Behind Temple		1	50.00			50.00		
							150.00	464.05	69607.50
4	**Quoted Rate**	478.75							
	100 to 150 m	mtr							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1	50.00			50.00		

	Description of Items	Unit	No	Length	Width	Depth	Qty	Rate	Amount
	Doddabettahalli, Near Maramma Temple		1	50.00			50.00		
	Ambhavani Nagar, Behind Temple		1	50.00			50.00		
							150.00	478.75	71812.50
5	Quoted Rate	562.74							
	150 to 200 m	mtr							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1	50.00			50.00		
	Doddabettahalli, Near Maramma Temple		1	50.00			50.00		
	Ambhavani Nagar, Behind Temple		1	50.00			50.00		
							150.00	562.74	84411.00
6	Quoted Rate	665.63							
	200 to 250 m	mtr							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1	50.00			50.00		
	Doddabettahalli, Near Maramma Temple		1	50.00			50.00		
	Ambhavani Nagar, Behind Temple		1	50.00			50.00		
							150.00	665.63	99844.50
7	Quoted Rate	734.93							
	250 to 300 m	mtr							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1	50.00			50.00		
	Doddabettahalli, Near Maramma Temple		1	50.00			50.00		
	Ambhavani Nagar, Behind Temple		1	50.00			50.00		
							150.00	734.93	110239.50
8	Quoted Rate	866.16							
	300 to 350 m	mtr							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1	100.00			100.00		
	Doddabettahalli, Near Maramma Temple		1	90.00			90.00		
	Ambhavani Nagar, Behind Temple		1	84.00			84.00		
							274.00	866.16	237327.84
9	Supply of ISI mark 175 mm nominal bore medium black ERW casing pipe of 5 mm thick black electric resistance continuous welded mild steel tube material confirming to IS 1387 / 1993 & manufactured from hot rolled steel skelp / stripes in random length of 4 to 7 mts both ends threaded confirming to IS 554 / 1985, one end fixed with a socket and the other and with a plastic protection end (including of all taxes) SE PRED III NO 84								
	Quoted Rate	1391.11							
		Rmtr							

	Description of Items	Unit	No	Length	Width	Depth	Qty	Rate	Amount
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1	65.00			65.00		
	Doddabettahalli, Near Maramma Temple		1	58.00			58.00		
	Ambhavani Nagar, Behind Temple		1	57.00			57.00		
							180.00	1391.11	250399.80
10	Providing and fixing in trenches galvanised / mild steel tubes (medium grade) 50mm dia nominal bore with all fittings (earth work in trenches to be measured and paid for separately) including cost of all materials, labour charges, HOM and testing complete as per specifications. Specification No.KBS 13.2.14 / 13.6 (P. No.92/ I. No. 13.15 KPWD SR 2018-19)								
	Quoted Rate	431.80							
		mtr							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1	340.00			340.00		
	Doddabettahalli, Near Maramma Temple		1	325.00			325.00		
							665.00	431.80	287147.00
11	Providing 250mm dia PVC Pipe BWSSB SR 17-18 PNO 133 SL NO 1.11								
	Quoted Rate	1420.51							
		Rmtr							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1	12.00			12.00		
	Doddabettahalli, Near Maramma Temple		1	12.00			12.00		
	Ambhavani Nagar, Behind Temple		1	12.00			12.00		
							36.00	1420.51	51138.36
12	Providing 175mm dia ms casing cap page no III It no 85 pred 12-13 sr								
	Quoted Rate	104.99							
		no							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1				1.00		
	Doddabettahalli, Near Maramma Temple		1				1.00		
	Ambhavani Nagar, Behind Temple		1				1.00		
							3.00	104.99	314.97
13	Supplying and drawing 3 core flat PVC sheathed submersible pump cable manufactured with electrolytic grade copper with flexible copper with low resistance conductor confirming to IS:8130-1984 and virgin grade PVC insulation and powder coating extruded PVC sheathed suitable for working voltage upto 1100Volts as per IS-694:1990. P. No. 7/ I No. (2.6.4) 3cx 6.0 Sqm KPWD Electrical SR 2019-20								
	Quoted Rate	215.22							
		mtr							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1	700.00			700.00		
	Doddabettahalli, Near Maramma Temple		1	670.00			670.00		
							1370.00	215.22	294851.40

	Description of Items	Unit	No	Length	Width	Depth	Qty	Rate	Amount
14	Texmo, Atalanta, Suguna, CRI KIRLOSKER AND other equipment pumps 15.00 HP/11KW(30 Stage)P. No. XLII I No.43) (K.P.W.D SR 2018-19)								
	Quoted Rate	66666.55							
		Nos							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1				1.00		
	Doddabettahalli, Near Maramma Temple		1				1.00		
							2.00	66666.55	133333.10
15	Supplying, fixing, wiring, earth electrode for grounding conduits, I.C. cutouts and other equipment's on the meter board using 40mm dia 2.90mm thick GI pipe 2.5 mtr long buried in a pit ... The pit should be filled with equal proportion of salt and charcoal 150mm all-round the pipe to complete depth. The connection from the pipe to the conduit etc., is to be established through GI wire of size as per ISI specification 7.3.3. of IS 732 using 12mm dia bolts, nuts, washers and check nuts etc., the pipe shall have 16 through holes of 12 mm dia **(P No.40, I No. 6.1) KPWD Electrical SR 2019-20**								
	Quoted Rate	3149.38							
		Nos							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1				1.00		
	Doddabettahalli, Near Maramma Temple		1				1.00		
							2.00	3149.38	6298.76
16	Supplying and Fixing 20"x20"x2.5"polished wood board made up not less than 15mm thick plank with front plank one end providing for olding at other end fixing the same to the valve using tapered bolts and nuts, (P No. 24 No.5.6.6 KPWD Electrical SR 2019-20)								
	Quoted Rate	306.57							
		Each							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1				1.00		
	Doddabettahalli, Near Maramma Temple		1				1.00		
							2.00	306.57	613.14
17	Supplying of 1.1 KV LT UG cable having aluminium condutor PVC insulated shethed, EXTREDED INNER SHEATHRD galvnised steel,stirp (2CX 10Sqm.mm wire armoured) confirming IS 3975;1990(no.of strip indicated i GTP) AND extruded PVC outer sheathing armoured cable IS 1554 part 1;1998 and confirming to GTP of group.A.4 Core 16Sqmm.P No.40/ I No.6.4.4 (4 core 16 Sqmm) KPWD Electrical SR 2019-20								
	Quoted Rate	157.48							
		Mtr							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1	30.00			30.00		
	Doddabettahalli, Near Maramma Temple		1	33.00			33.00		
							63.00	157.48	9921.24
18	Labour charges for laying of 1.1 K.V class UG cable, in existing trench GI Pipe / stoneware pipe /on wall/on poles as required In existing trencg/duct 6 Sqmm to 16 Sqmm)P No. 41 / I No. 6.5.1 KPWD Electrical SR 2019-20								
	Quoted Rate	12.47							

	Description of Items	Unit	No	Length	Width	Depth	Qty	Rate	Amount
		Mtr							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1	25.00			25.00		
	Doddabettahalli, Near Maramma Temple		1	29.00			29.00		
							54.00	12.47	673.38
19	Supplying and fixing of procelin fuse channel with e on existing wooden / panel using necessary nuts, bolts and washers , 63 Amps **(P No. 44 / I No. 5.7.3 KPWD Electrical SR 2019-20)**								
	Quoted Rate	238.32							
		Each							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1				1.00		
	Doddabettahalli, Near Maramma Temple		1				1.00		
							2.00	238.32	476.64
20	Providing and fixing in position 50mm nominal bore non-return valve horizontal type of approved make including cost of all materials, labour and HOM of equipments with all leads complete as per specifications **(Page No.95 Item No. 13.62 / PWD SR 2018-19)**								
	Quoted Rate	1412.26							
		Nos							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1				1.00		
	Doddabettahalli, Near Maramma Temple		1				1.00		
							2.00	1412.26	2824.52
21	Supplying and fixing maniature circuit breakers on existing MCB Distribution boards using necessary fixing materials and 'C' Type curve, indicator ON/OFF, Energy cross -3 with short circuit breaking capacity of 10K And Completed wiring confirming to IEC 60898 50-63 Amps TPN **(P. No. 27 I No.5.17.9) KPWD Electrical SR 2019-20**								
	Quoted Rate	2516.61							
		Each							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1				1.00		
	Doddabettahalli, Near Maramma Temple		1				1.00		
							2.00	2516.61	5033.22
22	Cutting of road surface for pipeline trenches and disposing of the excavated stuff as directed including barricading, danger lighting etc., in the Asphalt surface road including cost of materials, labour, HOM complete as per specifications. **(P. No.269/ I No 37.38 PWD SR 2018-19)**								
	Quoted Rate	499.68							
		Cum	1	1430.00	0.60	0.150	128.70	499.68	64308.82
23	KSRB 2-2 : Earthwork excavation by manual means for foundation of buildings, water supply and sanitary lines and electrical conduits etc, either in pits or in trenches 1.5m and above in width, in soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m. including breaking of clods complete as per specifications. **(P. No.6/ I No 2.3 PWD SR 2018-19)**								
	Quoted Rate	332.75							
		Cum	1	1430.00	0.60	0.70	600.60	332.75	199849.65

	Description of Items	Unit	No	Length	Width	Depth	Qty	Rate	Amount
24	Supplying PVC ring tight pipes conformin to IS 4980 :2000 With latest amendments and conveying to work site rolling and lowering into trenches laying true line level and prefect linking at joints testing and commissoning incuding loading and un loading at both destinations and cuts of pipes wherever neccessary including joints of PVC pipes and specificals (excluding cost of pipes)with jointing of approvel type with all labour with all lead and lift incuding encasing the pipe alround to adepth of not less then 15cms with soft gravel or selected earth availble from the excavation etc.., completed and giving necessary hydralic test to the required pressure as per IS (Contractor will make his own arrangement for procuring water for testing)(P. No.133 I No 1.4 BWSSB SR 2018-19) 63mm outer dia, 6kg/sqcm & class 5								
	Quoted Rate	128.08							
		Mtr	1	1430.00			1430.00	128.08	183154.40
25	Refilling available earth around pipe lines, cables in layers not exceeding 20cms in depth, compacting each deposited layer by ramming after watering with lead upto 50m. and lift upto 1.5 m. includingcost of all labour complete as per specifications. P. No. 7.1/ I No. (2.11) KPWD SR 2018-19								
	Quoted Rate	134.66							
		Cum	1	1430.00	0.60	0.70	600.60	134.66	80876.80
26	KSRRB M400-17. Providing, laying, spreading and compacting cushed stone aggregates of granite / trap / basalt to wet mix macadam specifications including pre mixing the material with water at OMC in mechanical mix plant carriage of mixed materials by tipper to site, laying in uniform layers with paver in sub-base/base course on well prepared surface and compacting with vibratory roller to achieve the desired density complete as per specifications(P.No-155,I No-20.18 of PWD BCSR 2018-19)								
	Quoted Rate	2101.14							
		Cum	1	1430.00	0.60	0.230	197.34	2101.14	414638.97
27	Supplying fully automatic star-delta starter unit push button type with suitable wires, 3 contactors, one adjustable thermal timer mounted on a common base plate held in steel enclosure for use on 400/440 volts 3 phase and wired after fixing to the existing wooden board for motor.Above 12.5 HP upto 25 HP (P No. 24 / I No.5.2.2 KPWD Electrical SR 2019-20)								
	Quoted Rate	8399.20							
		Nos							
	Chikkabettahalli, Bus Depot (Adhithyanagar Phase 2)		1				1.00		
	Doddabettahalli, Near Maramma Temple		1				1.00		
							2.00	8399.20	16798.40
								Total Construction Cost	2742409.96
								Utility Shifting,Miscellaneous and Rounding off	1,678.52
								APPROVED AMOUNT	2744088.48

Technical Sanction
Accorded for Rs.2744088.48
Head of A/C. P3293
CER NO ....21..... Dt. 11.08.2020

TA CE (YNK)

Assistant Engineer
Ward No-3
BBMP Bangalore

Asst. Executive Engineer,
Yelahanka New Town Sub Division
BBMP Bangalore

Executive Engineer,
Yelahanka Division
BBMP Bangalore